ANG Hancock Site Assessment Summary



February 17, 2005 Meeting

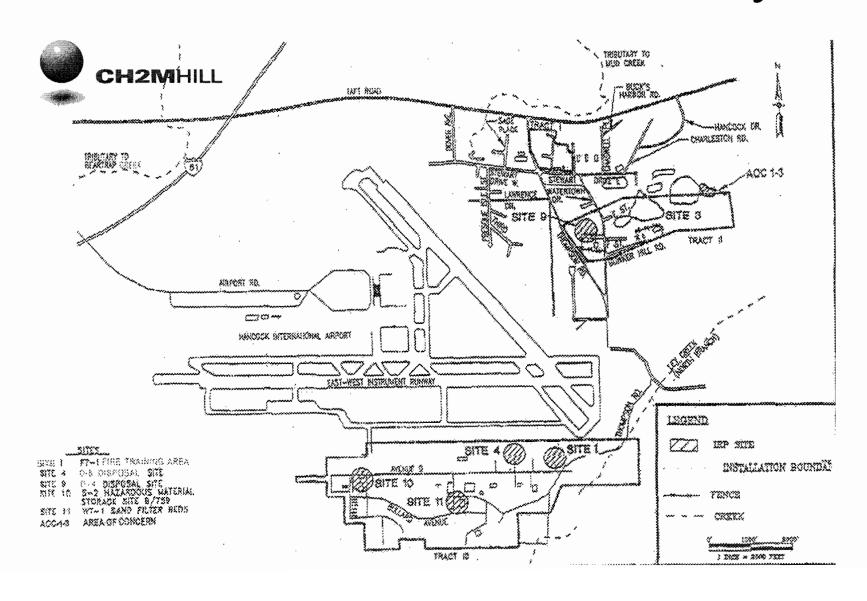


Site Assessment Summary

- > Site Background Soil Sampling
- ➤ Site 1 Former Fire Training Area
- Site 4 − D-5 Disposal Site
- ➤ Site 9 D-4 Disposal Site
- ➤ Site 10 Hazardous Storage Area
- ➤ Site 11 WT-1 Sand Filter Bed
- > Site AOC-P Near D-3 Disposal Site

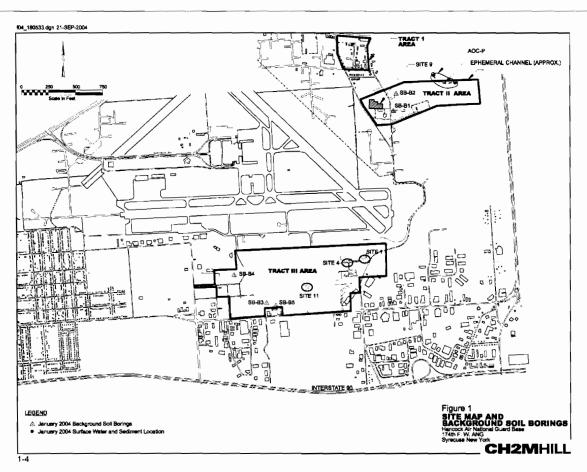


Site Assessment Summary



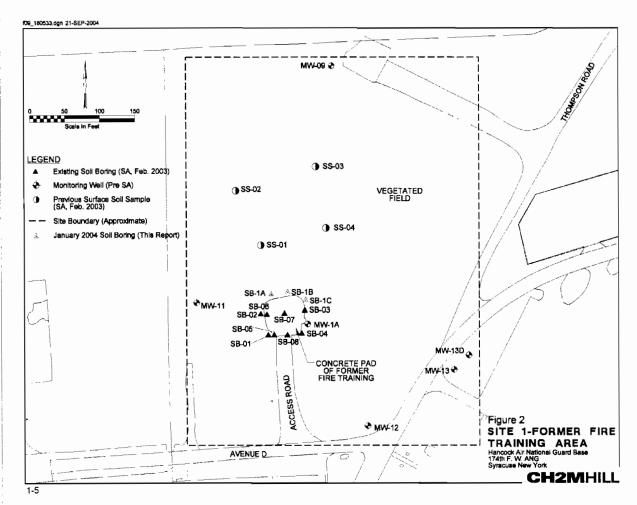
Site Background Soil Sampling

- > History
- Investigation
 - 5 Soil Borings
 - 3 Samples each boring
 - VOC, SVOCs, Metals
- > Findings
 - Establishment of Background Metals Conc.
 - Detections of SVOCs limited to surface soils





Site 1 – Former Fire Training Area

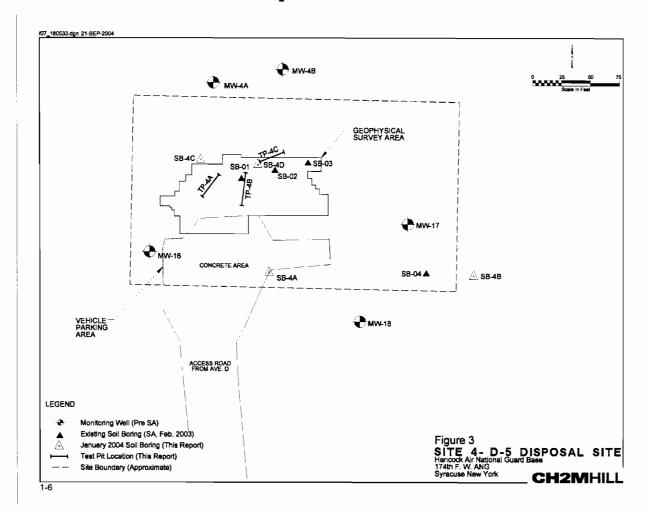


- > History
 - Flammable liquids used for accelerant
- Previous Investigations
 - 8 SB, 5 MWs, 4 surface soil, and 4 concrete samples
- > SA Investigations
 - 3 SB, 1 MW, GW sampling
 - VOCs, SVOCs, Metals (F/U)
- > Findings
 - VOCs and SVOCs in soils (limited extent)
 - Metals in soil and GW (Mg and Ni)



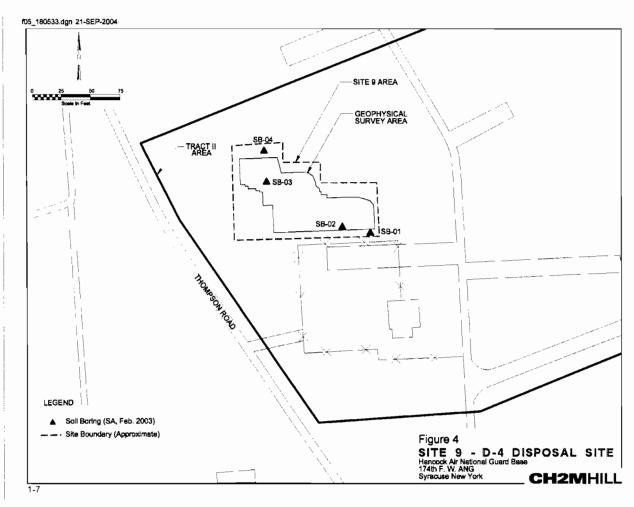
Site 4 – D-5 Disposal Site

- > History
 - 100 x 150 ft disposal area
- Previous Investigations
 - Geophysical anomalies
 - 4 SBs and 3 MWs installed
- > SA Investigations
 - 3 Test Pits, 4 SBs, and 2 MWs
- > Findings
 - Metal Debris
 - SVOCs in deep soil
 - Metals in GW





Site 9 – D-4 Disposal Site

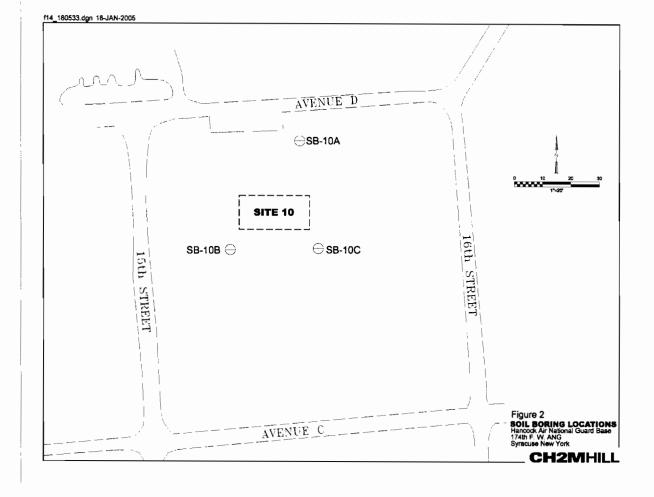


- > History
 - Small disposal area
- Previous Investigations
 - Geophysical survey, 4 SBs, 1 TWP
- > SA Investigations
 - Establish Background Metals Conc.
- > Findings
 - Limited metals exceedances above established background



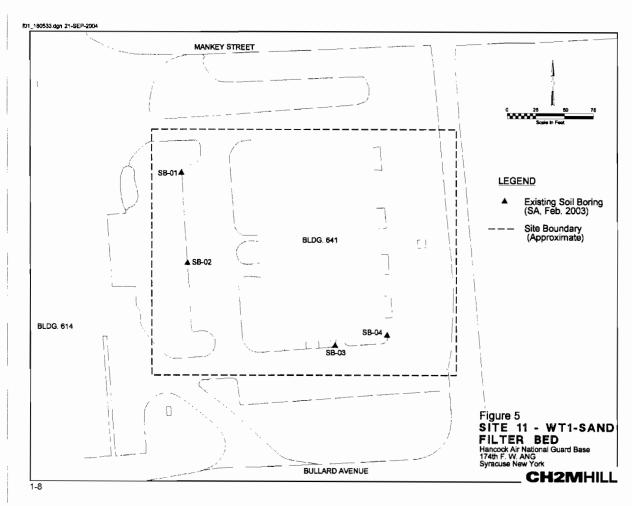
Site 10 – Hazardous Storage Area

- > History
 - Storage building for pesticides and PCBs
- Previous Investigations
 - None
- > SA Investigations
 - 3 SBs (6 samples)
 - Pest, PCB, Metals
- > Findings
 - Pest/PCB detections below standards
 - Metal exceedances limited





Site 11 – WT-1 Sand Filter Bed

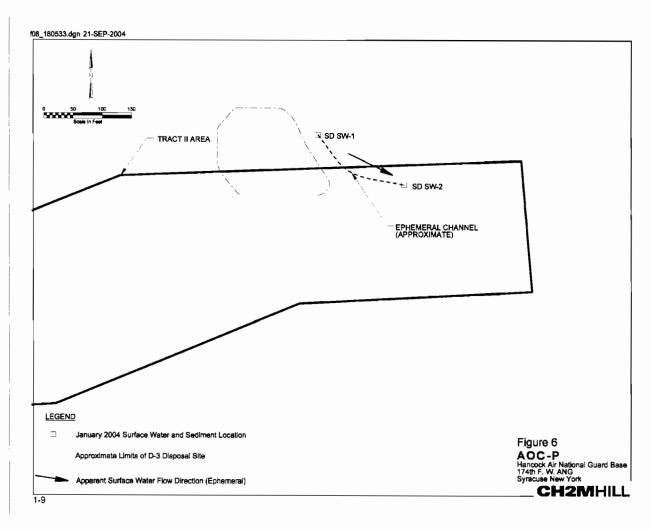


- History
 - Former water treatment filter beds (building constructed over area)
- Previous Investigations
 - 4 SB, 2 TWPs
 - Only pot. metals exceedances
- SA Investigations
 - Establish
 Background for Metals in Soil
- > Findings
 - Limited metals exceedances above established background



Site AOC-P - Area

- History
 - Ephemeral stream near Landfill Disposal Site
- Previous Investigations
 - SW/SED samples exceeded for metals
- > SA Investigations
 - 2 SW and 2 SED samples
- > Findings
 - 2 metals above background in SED, not affecting SW quality





Groundwater Flow Conditions

- Installed 3 overburden groundwater monitoring wells
- Conduct in-situ permeability tests
 - Range of K-values from 0.09 ft/day to 1.59 ft/day
- Collect representative samples for geotechnical analysis
 - Mean grain-size is Silt-clay
 - Porosity 40.7%
- Low permeability water table aquifer in overburden
- One existing bedrock monitoring well shows significant upward hydraulic gradient

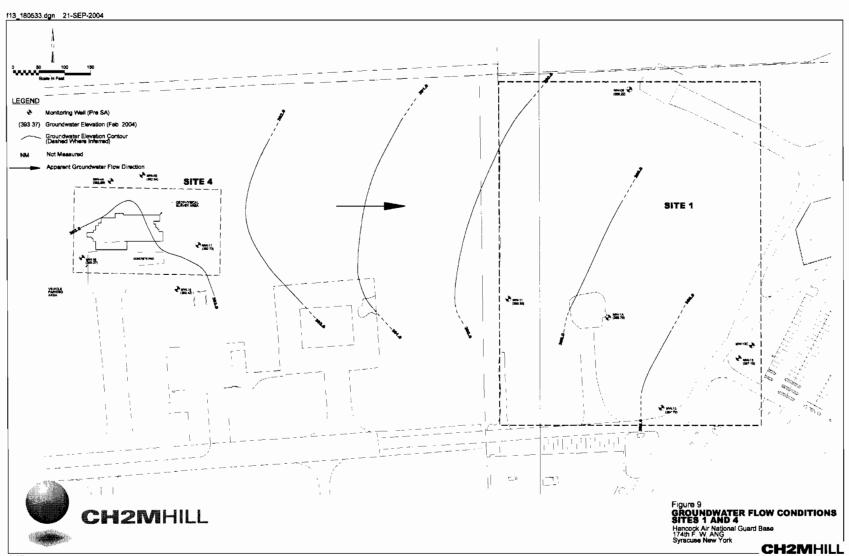


Groundwater Flow Conditions

- Measure groundwater elevations in 7 existing and 3 newly-installed overburden monitoring wells in February 2004
- Groundwater elevations range from 387.16 ft to 393.42 ft above Mean Sea Level
- Flow is generally east under hydraulic gradient of 0.005 ft/ft.



Groundwater Flow Conditions



Site Assessment Recommendation Summary

- Site 1 Confirm and monitor detection of magnesium and nickel in groundwater*
- Site 4 Additional soil borings, test pits, and monitoring well installation/sampling to complete characterization*
- Site 9 No Further Action
- Site 10 No Further Action
- Site 11 No Further Action
- Site AOC-P No Further Action

Note: In May 2009, the DEC issued a memo to the ANG indicating that the additional work performed at Sites 1 and 4 was satisfactory and No Further Action is recommended.



New York State Department of Environmental Conservation Division of Environmental Remediation

Remedial Bureau A

625 Broadway, 11th Floor Albany, New York 12233-7015

Phone: (518) 402-9620 • **Fax:** (518) 402-9020 or 402-9627

Website: www.dec.ny.gov



May 4, 2009

Ms. Jody Murata Air National Guard Conaway Hall 3500 Fetchet Avenue Andrews AFB, Maryland 20762-5157

Re: Hancock Field, 734054

Technical Memorandum, Sites 1 and 4

Dear Ms. Murata:

The New York State Department of Environmental Conservation, in conjunction with the New York State Department of Health, has reviewed the Draft Site Inspection Technical Memorandum Sites 1 and 4. The work documented in this report was conducted in response to comments submitted by the State on the Site Inspection Technical Memorandum Sites 1, 4, 9, 11, and AOC-P. The additional work conducted at sites 1 and 4 has fulfilled the information requested by the State.

The technical memorandum recommends no further action for sites 1 and 4. The Department concurs with the conclusion that no further action is required at these two sites. Please advise the Department if there are adjustments to the Land Use Control Plan for Hancock Field based on the Technical Memorandum.

As you are aware, Bob Corcoran is now the DEC project manager for Hancock Field. Please coordinate any questions or comments you have with Bob. Thank you for the opportunity to review this document.

Sincerely,

Daniel J. Eaton

Engineering Geologist

cc:

R. Corcoran

B. Wied, CH2M Hill

T. Sager, ANG